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(54) **LARGE-SCALE PRODUCTION OF HUMAN
SERUM BUTYRYLCHOLINESTERASE AS A
BIOSCAVENGER**

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424/94.6

(58) **Field of Classification Search** 435/196,
435/195, 183; 424/94.6

See application file for complete search history.

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(57) **ABSTRACT**

Disclosed herein are methods for the large-scale preparation
of human butyrylcholinesterase (HuBChE) preparations
from Cohn Fraction IV-4. As disclosed, the methods provide
HuBChE preparations that are about 99% or more pure with
recovery yields of about 60%. Also disclosed are the pharma-
cokinetics, safety and toxicity, stability and efficacy of the
HuBChE preparations.

15 Claims, 5 Drawing Sheets